WHGood Automation

AIR PREPARATION

What is a Filter Regulator Lubricator?

Air leaving a compressor is hot, dirty, and wet - which can damage and shorten the life of downstream equipment, such as valves and cylinders. Before air can be used it needs to be filtered, regulated and lubricated.

An air-line filter cleans compressed air. It strains the air and traps solid particles (dust, dirt & rust) and separates liquids (water & oil) entrained in the compressed air.

Filters are installed in the air line upstream of regulators, lubricators, directional control valves, and air driven devices such as cylinders and valves.

Combination Units

Our box sets pull together, in a simple ready to go assembly, all the elements needed for an efficient compressed air system.

Designed to protect compressed air systems from over pressurisation, we offer a comprehensive range of pressure relief valves to suit your application.

Pressure Relief Valves

Pressure relief valves (PRV) are designed to protect compressed air systems from over pressurisation, we offer a comprehensive range of pressure relief valves to suit your application.

Filter Regulators

Our most popular single air preparation unit, a filter/regulator combination ensures water and particulate removal and accurate pressure control, whilst saving space.

Combining a filter with a pressure regulator into one unit, we offer a complete range of high quality adjustable filter regulators to eliminate problems due to poor air quality.

Lubricators

Our range of lubricators provide accurate lubrication of downstream equipment, proven to extend the life of pneumatic equipment reducing total cost of ownership.

We offer two types of lubricator, oil-fog for those high demand applications and micro-fog for those long distance or intricate circuits.

Pressure Regulators

Pressure regulators are used to reduce the pressure, to suit the application or tool downstream, for reasons of safety, to reduce cost or to even the compressed airline pressure.

Pressure regulators available include general purpose, high flow, pilot operated or special purpose pressure regulators.

Filters

Correct filtration depends upon the outlet quality required. We offer three types of filters, General purpose filters to remove water droplets and particles, Pureaire oil removal filters to remove oil droplets and Ultraire oil vapour removal filters to remove oil vapours.

Tubing & Hoses

Good, reliable tubing manufactured to published quality standards should always be used when piping systems. Tubing channels and clips or other retaining methods should be used to maintain successful operation.

Our tubing conforms to international standards including DIN 74324 for use on braking systems on commercial vehicles (nylon only). We also offer more specialised hose assemblies and specific use tubing.

Fittings

Our range of fittings include push in fittings, push on fittings, compression fittings and BSP connection fittings. Our fittings are made from a wide range of materials including - composite materials, brass, nickel plated brass and stainless steel.

Select the correct range for your particular application. Our composite bodied Pneufit C range covers most industrial applications and has a range of shapes and sizes in excess of 1000 items.

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Exhaust Flow Regulators / Silencers

Features

- Port sizes: M5, G1/8, G1/4, G3/8, G1/2
- Compact, integral flow regulator and silencer units
- Captive regulating needle will not blow out when unscrewed
- Medium: Compressed air, filtered, lubricated and non-lubricated, inert gases
- Operating pressure: 0 to 10 bar
- Operating temperature: -20 to 80°C
  Air supply must be dry enough to avoid ice formation at temperatures below 2°C
- Mounting: Directly in the exhaust port 'Allen' key adjustment for flow regulation
- Materials:
  - Body: Nylon, Plastic PA
  - Nuts & screws: Zinc plated steel

Sintered Bronze Silencers

Features

- Port sizes: M5, R1/8 to R1, G1/8 to G1
- Reduce the noise levels of pneumatic equipment
- Prevent the ingress of dirt
- Medium: Compressed air, filtered, lubricated and non-lubricated, inert gases
- Operating pressure: 10 bar max.
- Operating temperature: -20 to 80°C
  Air supply must be dry enough to avoid ice formation at temperatures below 2°C
- Mounting: Directly in the exhaust or vent port
- Materials:
  - Body: Brass
  - Element: Sintered bronze

Herion Silencers

Features

- Port sizes: G1/8, G1/4, G3/8, G1/2
- Reduce the noise levels of pneumatic equipment
- Compact, efficient and lightweight
- Prevent the ingress of dirt
- Medium: Compressed air, filtered 50µm, lubricated and non-lubricated
- Operating pressure: 10 bar max.
- Operating temperature: -20 to 60°C
  Air supply must be dry enough to avoid ice formation at temperatures below 2°C
- Mounting: Directly in the exhaust port
- Materials:
  - Body: Plastic PA
  - Filter: Felt insert

Exhaust Filters

Features

- Port sizes: G1/8, G1/4, G1/2, G3/4, G1
- Prevent the ingress of dirt with minimal flow restriction
- Robust and compact
- Medium: Compressed air, filtered, lubricated or non-lubricated, inert gases
- Operating pressure: 10 bar max.
- Operating temperature: -20 to 80°C
  Air supply must be dry enough to avoid ice formation at temperatures below 2°C
- Mounting: Directly in the exhaust port
- Materials:
  - Body: Aluminium alloy
  - Element: Sintered bronze

Non-return Valves

Features

- Port sizes: G1/8, G1/4, G3/8 or G1/2
- Permit free flow of air in one direction only
- Silicone free
- Low cracking pressure
- Medium: Compressed air, filtered, lubricated and non-lubricated
- Operating pressure: 0,1 to 10 bar
- Operating temperature: -20 to 80°C
  Air supply must be dry enough to avoid ice formation at temperatures below 2°C
- Mounting: Line mounted
- Materials:
  - Body: Aluminium, 'O' ring: NBR (VMQ free)
  - Valve: POM, Spring: Stainless steel

Block Form Flow Regulators

Features

- Port sizes: G1/8, G1/4, G1/2
- Suitable for panel and wall mounting
- Adjustment can be locked
- Metered in both directions
- Medium: Compressed air, filtered, lubricated or non-lubricated, inert gases
- Operating pressure: 0 to 10 bar
- Operating temperature: -20 to 80°C
  Air supply must be dry enough to avoid ice formation at temperatures below 2°C
- Mounting: Line mounted
- Materials:
  - Body: Aluminium alloy (painted), Seals: Low nitrile
  - Internal parts: Brass, External parts: Aluminium alloy (anodised), Needle: Brass (nickel plated)